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Learning Python

Powerful Object-Oriented Programming

5th Edition
Updated for 3.3 and 2.7

Learning

Python

O'REILLY® *Mark Lutz*
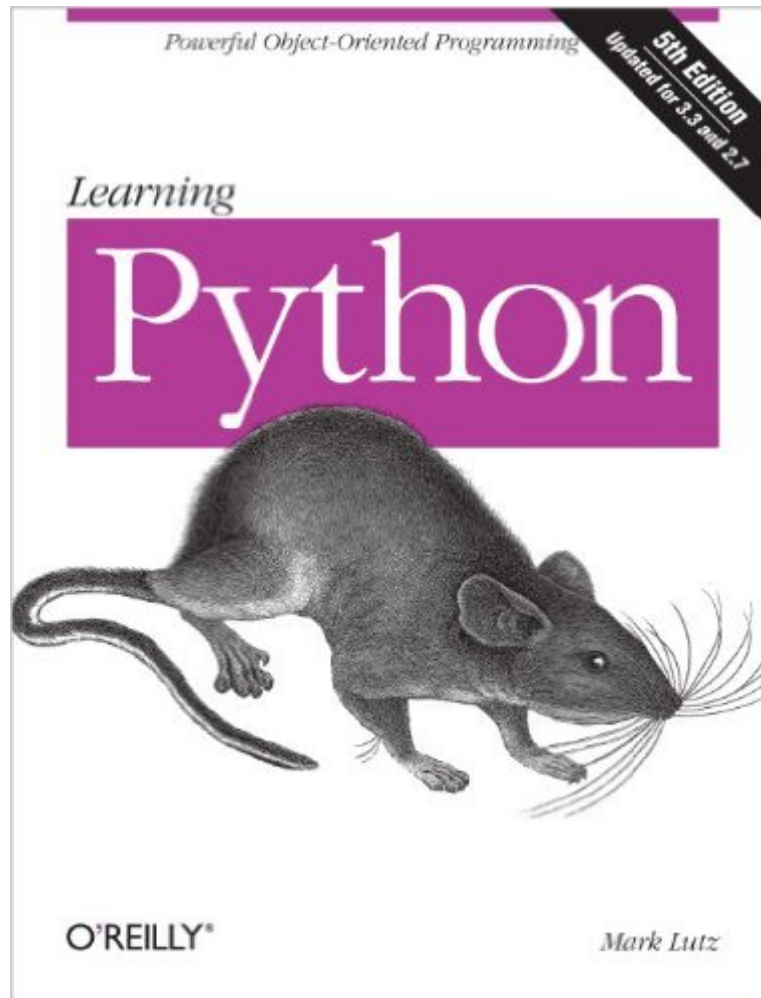
Synopsis

Get a comprehensive, in-depth introduction to the core Python language with this hands-on book. Based on author Mark Lutzâ ™s popular training course, this updated fifth edition will help you quickly write efficient, high-quality code with Python. Itâ ™s an ideal way to begin, whether youâ ™re new to programming or a professional developer versed in other languages.Complete with quizzes, exercises, and helpful illustrations, this easy-to-follow, self-paced tutorial gets you started with both Python 2.7 and 3.3â ” the latest releases in the 3.X and 2.X linesâ ”plus all other releases in common use today. Youâ ™ll also learn some advanced language features that recently have become more common in Python code.Explore Pythonâ ™s major built-in object types such as numbers, lists, and dictionariesCreate and process objects with Python statements, and learn Pythonâ ™s general syntax modelUse functions to avoid code redundancy and package code for reuseOrganize statements, functions, and other tools into larger components with modulesDive into classes: Pythonâ ™s object-oriented programming tool for structuring codeWrite large programs with Pythonâ ™s exception-handling model and development toolsLearn advanced Python tools, including decorators, descriptors, metaclasses, and Unicode processing

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Customer Reviews

View larger   Who Uses Python Today?   At this writing, the best estimate anyone can seem to make of the size of the Python user base is that there are roughly 1 million Python users around the world today (plus or minus a few). This estimate is based on various statistics, like download rates, web statistics, and developer surveys. Because Python is open source, a more exact count is difficultÃ¢Â Â"there are no license registrations to tally. Moreover, Python is automatically included with Linux distributions, Macintosh computers, and a wide range of products and hardware, further clouding the user base picture   Google   YouTube   Dropbox   Raspberry Pi   Industrial Light & Magic, Pixar   BitTorrent   EVE Online   Thousands more...   Why Do People Use Python?   Because there are many programming languages available today, this is the usual first question of newcomers. Given that there are roughly 1 million Python users out there at the moment, there really is no way to answer this question with complete accuracy; the choice of development tools is sometimes based on unique constraints or personal preference.   But after teaching Python to roughly 260 groups and over 4,000 students during the last 16 years, I have seen some common themes emerge. The primary factors cited by Python users seem to be these: Software quality   Developer productivity   Program portability   Support libraries   Component integration Enjoyment

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